

MATERIALS DIVISION

 Virginia Department of Transportation
MEMORANDUM

GENERAL SUBJECT: TL Forms		NUMBER: MD 276 - 06
SPECIFIC SUBJECT: Creation of TL 140 A/B – Asphalt Concrete Density Quality Assurance (QA) Test Report & TL141 A/B Asphalt Concrete Density Independent Assurance (IA) Test Report		DATE: May 26, 2006
DIRECTED TO: District Administrators	SIGNATURE: Andrew Mergenmeier, PE <i>Signature on original copy of memorandum</i>	

Two new forms have been created to allow the Materials Division to report Quality Assurance and Independent Assurance evaluation of asphalt density tests performed by the contractor.

The new form may be downloaded from the Internet at <http://www.extranet.vdot.state.va.us/forms/>

The Manual of Instructions is also amended with the following instructions for the use of the forms:

Sec. 803.70 Form TL-140A/B, Asphalt Concrete Density Quality Assurance (QA) Test Report
 Form TL-140 shall be used by District and Central Office Asphalt Laboratories to report results of quality assurance density testing of asphalt concrete using a nuclear gauge (TL-140A) or by plugs/cores (TL-140B). The average density attained as compared to the target nuclear density from the control strip of the asphalt mixture is reported to the nearest 0.1 lbs/ft³ (kg/m³) for the TL-140A. The average bulk density attained as compared to the target bulk density from the control strip of the asphalt mixture is reported to the nearest 0.1 lbs/ft³ (kg/m³) along with the Percent compaction to the nearest 0.1% for the TL-140B. One copy of the completed test report will be retained in the project records and one copy will be distributed to the District Materials Engineer for review.

Sec. 803.71 Form TL-141A/B, Asphalt Concrete Density Independent Assurance (IA) Test Report
 Form TL-141 shall be used by District and Central Office Asphalt Laboratories to report results of the independent assurance observations of asphalt pavement density testing using a nuclear gauge (TL-141A) or by plugs/cores (TL-141B). A checklist on equipment and technician performing testing will be completed. Observations on the nuclear density testing will be

recorded and reported to the nearest 0.1 lbs/ft³ (kg/m³) on form TL-141A, while observations on the bulking testing of cores will be recorded and reported to the nearest 0.1 lbs/ft³ (kg/m³) on form TL-141B. One copy of the completed test report will be retained in the project records and one copy will be distributed to the District Materials Engineer for review

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Commissioner
Chief Engineer
Division Administrators
Residency Administrators
District Materials Engineers
District Construction Engineers
District Maintenance Engineers
American Concrete Paving Association
NE Chapter, Southern Region

Virginia Asphalt Association
Virginia Dept. of Minority Business Enterprise
Virginia Ready-Mixed Concrete Association
Federal Highway Administration
Virginia Transportation Construction Alliance
Precast Concrete Association of Virginia
Old Dominion Contractors